

Abstract

5 The loading and unloading stand a palletless rack type storage system has plural fork bars, longitudinal beam arranged in a right angle for supporting the fork bar, plural rollers being arranged in the fork bar and the upper portion of the roller having an excessive protrusion above the top of the fork bar so as to allow wheels of the cargo to be rolling-contacted, and a drive unit to keep the rollers rolling in the loading or unloading direction of the cargo, in which the loading/unloading stand providing at a rim near the entrance of an predetermined floor of the rack and being 10 a same level as the loading and unloading conveyor to load cargo into the rack from a loading station, or unload cargo to an unloading station from the rack. The cargo can be smoothly and conveniently be transferred between the conveyor and the stacker crane without using special loading/unloading means.